

The present invention is directed to methods of altering the regulation of the immune system, e.g., by selectively targeting individual or classes of immunomodulatory receptor molecules (IRMs) on cells comprising transducing the cells with an intracellularly expressed antibody, or intrabody, against the IRMs. In a preferred embodiment the intrabody comprises a single chain antibody against an IRM, e.g, MHC-1 molecules.

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